

CLAIMS

[1] A recording medium driver, comprising:

a tray housing a disc recording medium; and

a recording/reproducing mechanism including a pickup mechanism provided in
5 the tray and irradiating light on the disc recording medium, a pickup feed mechanism
moving the pickup mechanism, and a flat cover having an opening cut along a feeding
direction of the pickup mechanism, wherein

the flat cover is supported elastically in a direction toward and away from the tray,
a recessed portion allowing the flat cover to move in the direction toward and away from
10 the tray is formed, and a cover deformation restrictor is provided on at least one of the
recessed portion and the flat cover to restrict deformation of the flat cover and prevent the
flat cover from contacting to the disc recording medium upon dropping impact.

[2] The recording medium driver according to claim 1, wherein a clearance is
defined between the cover deformation restrictor and the flat cover, the clearance not
15 being closed, but being remained for allowing the recording/reproducing mechanism to
vibrate in driven state.

[3] The recording medium driver according to claim 1 or 2, wherein the cover
deformation restrictor is disposed in the vicinity of the opening.

[4] The recording medium driver according to any one of claims 1 to 3, wherein the
20 cover deformation restrictor is a cushion member.

[5] The recording medium driver according to claim 2, wherein the tray includes a
flat portion confronting a plane of the disc recording medium, and a rising portion rising
from the flat portion and having a wall confronting the outer circumferential surface of the
disc recording medium, and the cover deformation restrictor is a thick portion integrally
25 formed along circumferential direction of the wall of the rising portion.